

MULTISTAGE CENTRIFUGAL COMPRESSOR HAVING A TANK WHICH CAN
BE OPENED HORIZONTALLY

Abstract

10 Multistage centrifugal compressor having a tank which can
be opened horizontally, comprising a lower semi-tank (11)
and an upper semi-tank (12), a shaft 13 having a series
of rotors 14 and a series of stages (10) each of which
comprising, in turn, a series of lower semi-diaphragms 16
15 and a series of upper semi-diaphragms 18, a lower half-
ring (21) and an upper half-ring (22) which can be cou-
pled to form a bearing ring, the lower half-ring (21) be-
ing fastened internally to the lower semi-tank (11), and
the corresponding upper half-ring (22) being fastened to
20 the upper semi-tank (12), in each stage (10) of the mul-
tistage centrifugal compressor, the lower semi-diaphragms
16 are rigidly constrained to one another by blocking
means, to form a first pile (41) of lower semi-diaphragms
(16) and, the corresponding upper semi-diaphragms (18)
25 are rigidly constrained to one another by blocking means,
to form a second pile (42) of lower semi-diaphragms (16),
the first pile (41) can be constrained to the lower half-
ring (21) and the second pile (42) can be constrained to
the upper half-ring (22).